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UTILITY APPLICATION AND APPLICATION FEE TRANSMITTAL (1.53(b))

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Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Named Inventor(s) and
Address(es): Shoji KIKUCHI, 21-6-105, Matsumicho 1-chome, Kanagawa-ku, Yokohama-shi,
Kanagawa-ken, Japan

For: COMPOSITE SYSTEM CAPABLE OF SELECTIVELY REALIZING PRINT
FUNCTION AND READ FUNCTION

Enclosed are:

[X] 16 page(s) of specification, 1page(s) of Abstract; 8 page(s) of claims

[X] 3 sheets of drawing [X] formal [] informal

[] Page(s) of Declaration and Power of Attorney

- [] Unsigned
- [] Newly Executed
- [] Copy from prior application

[] Deletion of inventors including Signed Statement under 37 C.F.R. § 1.63(d)(2)

[] Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the
combined declaration and power of attorney is supplied herein, is considered as being part of the disclosure
of the accompanying application and is incorporated herein by reference.

[] Microfiche Computer Program (Appendix)

[] _____ page(s) of Sequence Listing

[] computer readable disk containing Sequence Listing
[] Statement under 37 C.F.R. § 1.821(f) that computer and paper copies of the Sequence Listing are
the same

[X] Claim for Priority Japanese Patent Application No. 2-250124 filed 9/1/97

- Certified copy of Priority Document(s)
- English translation documents
- Information Disclosure Statement
- Copy of 5 cited references w/ English Abstracts
- Copy of PTO-1449 filed in parent application serial No. _____
- Preliminary Amendment
- Return receipt postcard (MPEP 503)
- Assignment Papers (assignment cover sheet and assignment documents)
- A check in the amount of \$40.00 for recording the Assignment.
- Assignment papers filed in parent application Serial No. _____
- Certification of chain of title pursuant to 37 C.F.R. § 3.73(b).
- This is a [] continuation [] divisional [] continuation-in-part (C-I-P) of prior application serial no. _____.
- Cancel in this application original claims _____ of the parent application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- A preliminary Amendment is enclosed. (Claims added by this Amendment have been properly numbered consecutively beginning with the number following the highest numbered original claim in the prior application.)
- The status of the parent application is as follows:
- A Petition For Extension of Time and a Fee therefor has been or is being filed in the parent application to extend the term for action in the parent application until _____.
- A copy of the Petition for Extension of Time in the co-pending parent application is attached.
- No Petition For Extension of Time and Fee therefor are necessary in the co-pending parent application.
- Please abandon the parent application at a time while the parent application is pending or at a time when the petition for extension of time in that application is granted and while this application is pending has been granted a filing date, so as to make this application co-pending.
- Transfer the drawing(s) from the patent application to this application.
- Amend the specification by inserting before the first line the sentence:
This is a [] continuation [] divisional [] continuation-in-part of co-pending application Serial No. _____ filed _____.

I. CALCULATION OF APPLICATION FEE (For Other Than A Small Entity)

	Number Filed	Number Extra	Rate	\$ 790.00	Basic Fee
Total Claims	31	-20=	11	x\$22.00	\$ 242.00
Independent Claims	4	- 3 =	0	x\$2.00	\$ 82.00
Multiple Dependent Claims	[] yes [X] no		Additional Fee = Add'l Fee =	\$270.00 NONE	\$0

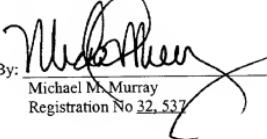
Total: \$1,114.00

- [] A statement claiming small entity status is attached or has been filed in the above-identified parent application and its benefit under 37 C.F.R. § 1.28(a) is hereby claimed. Reduced fees under 37 C.F.R. § 1.9(F) (50% of total) paid herewith \$ _____.
- [X] A check in the amount of \$1,114.00 for payment of the application filing fees is attached.
- [] Charge Fee(s) to Deposit Account No. 13-4500, Order No. _____. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.
- [X] The Assistant Commissioner is hereby authorized to charge any additional fees which may be required for filing this application, or credit any overpayment to Deposit Account No. 13-4500, Order No. 1232-4465. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Shoji Kikuchi
 Serial No. : TBA Group Art Unit: TBA
 Filed : Herewith (August 26, 1998) Examiner: TBA
 For : IMAGE SENSING APPARATUS UTILIZING PIXEL-SHIFTING

EXPRESS MAIL CERTIFICATEExpress Mail Label No. EE784682194USDate of Deposit August 26, 1998

I hereby certify that the following attached paper(s) and/or fee
 Application Fee Transmittal; 16 pp. of specs., 8 pp. claims (31 TOTAL claims) and 1 p. Abstract; 3 Sheets
 of Formal Drawings (Figs. 1-3); Check for \$1,114.00 (filing fee); and Certificate of Express Mail (Label
 No. EE784682194US) and Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37
 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box New
 Application, Washington, D.C. 20231.

Albert IslesTyped or printed name of person
 mailing paper(s) and/or fee)

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TITLE OF THE INVENTION

COMPOSITE SYSTEM CAPABLE OF SELECTIVELY REALIZING PRINT
FUNCTION AND READ FUNCTION

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BACKGROUND OF THE INVENTION

The present invention relates to a composite system capable of selectively realizing print function or read function, e.g., a print apparatus which can function as a scanner, or a read apparatus, by exchanging a print cartridge, installed in a carriage, to a reader cartridge, and a host computer installed with software for printing and software for reading, and a method for executing the read function used in the composite system.

Recently, in a system composed of a plurality of apparatuses to realize a single function, there is a trend to add other function or functions by changing a part of the configuration of an apparatus of the system. As an example of this method, there is a system capable of performing print function and read function using a host computer installed with software for printing and software for reading, and a print apparatus, connected with the host computer so as to be communicable, on which a print cartridge or a reader cartridge can be interchangeably installed.

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This system functions as a print system when it is configured with the host computer installed with the software for printing and the print apparatus, connected with the host computer so as to be communicable, on 5 whose carriage a print cartridge is mounted. Further, it functions as a reading system by exchanging the print cartridge on the carriage of the print apparatus to a reader cartridge, and installing the software for reading in the host computer. More specifically, when 10 printing an image, the print cartridge scans the print paper as a result of the movement of the carriage on which the print cartridge is mounted and the paper feed operation; therefore, by mounting a reader cartridge in place of the print cartridge and by feeding an original 15 document to be read instead of the print paper, it is possible for the print apparatus to function as a read apparatus to read the original document. In order to convert the read data of the original document into image data for processing by the host computer, software 20 for reading an image is installed in the host computer. In the foregoing manner, a read function is added to the system.

In this system, by attaching the print cartridge to the carriage of the print apparatus and executing the 25 software for printing in the host computer, the print function is realized, and, in order to switch to a read

function from the print function, the print cartridge on the carriage of the print apparatus is changed to a reader cartridge, and the software for reading is executed in the host computer.

- 5 When switching from the print function to the read function, first, a user exchange the print cartridge on the carriage of the print apparatus to the reader cartridge. After exchanging the cartridges, the user has to input an instruction to the host computer to execute
- 10 software for reading, and the software for reading is executed in response to the operation.

Then, an original to be read is set in the print apparatus, and scanning for reading the original is performed by the reader cartridge. Image data of the

- 15 original obtained as a result of the scanning is transmitted from the print apparatus to the host computer, and the software for reading, executed by the host computer, converts the transmitted image data of the original into image data capable of being processed.
- 20 Further, the software for reading performs various processes, for instance, displays the image on a CRT display.

However, when switching from the print function to the read function in the aforesaid system, it is

- 25 necessary to exchange the print cartridge to the reader cartridge and operate the host computer to execute the

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software for reading. The foregoing operations to prepare the system to perform the read function are time-consuming and troublesome.

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SUMMARY OF THE INVENTION

The present invention has been made in consideration of the above situation, and has as its object to provide a composite system in which operation 10 for preparing for a selected function is simplified when changing functions between a print function and a read function designated by an exchange of a print cartridge and a reader cartridge, an apparatus, such as a printer and a scanner, having a carriage and used in the 15 composite system, an information processing apparatus also used in the composite system, and a function execution method.

According to the present invention, the foregoing object is attained by providing a composite system 20 including a first apparatus having convertible options to function as a printer, a reader, or printer and a reader, and an information processing apparatus to which print software and read software are installed, the system comprising: a detection device for detecting the 25 option, selected or installed, on the first apparatus; and launching means for automatically launching either

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the print software or the read software installed in the information processing apparatus depending upon the selected or installed option detected by the detection device.

5 Further, according to the present invention, the foregoing object is also attained by providing an apparatus, having convertible options to function as a printer, a reader, or printer and a reader, which realizes a composite system in combination with an
10 information processing apparatus to which print software and read software are installed, the apparatus comprising: a detection device for detecting the option, selected or installed, on the first apparatus; and output means for outputting a signal indicative of the
15 selected or installed option detected by the detection device.

Furthermore, according to the present invention, the foregoing object is also attained by providing an information processing apparatus to which print software and read software are installed, which realizes a composite system in combination with a first apparatus, having convertible options to function as a printer, a reader, or printer and a reader, the apparatus comprising: launching means for automatically launching
20 either the print software or the read software installed
25

in the information processing apparatus depending upon the option selected or installed on the first apparatus.

Further, according to the present invention, the foregoing object is also attained by providing a
5 function execution method used in a composite system including a first apparatus having convertible options to function as a printer, a reader, or printer and a reader, and an information processing apparatus to which print software and read software are installed, the
10 method comprising: a detection step of detecting the option, selected or installed, on the first apparatus; and a launching step of automatically launching either the print software or the read software installed in the information processing apparatus depending upon the
15 selected or installed option detected at the detection step.

Other features and advantages of the present invention will be apparent from the following description taken in conjunction with the accompanying drawings, in which like reference characters designate
20 the same or similar parts throughout the figures thereof.

BRIEF DESCRIPTION OF THE DRAWINGS

25 The accompanying drawings, which are incorporated in and constitute a part of the specification,

illustrate an embodiment of the invention and, together with the description, serve to explain the principles of the invention.

- Fig. 1 is a block diagram illustrating a configuration of a composite system according to an embodiment of the present invention;

Fig. 2 is a flowchart showing an operational sequence until a read function becomes ready to perform in the composite system shown in Fig. 1; and

- 10 Fig. 3 is a flowchart showing an operational sequence while performing the read function in the composite system shown in Fig. 1.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

- Preferred embodiment of the present invention will be described in detail in accordance with the accompanying drawings.

- Fig. 1 is a block diagram illustrating a configuration of a composite system according to an embodiment of the present invention.

- The composite system capable of selectively realizing a print function and a read function comprises an ink-jet printer 1 and a host computer 2, as shown in Fig. 1. The printer 1 has a document feeder 12 for feeding print paper (not shown) or an original 11 to be

read, a driver 13 for driving a cartridge holder 14 to move reciprocally in the direction perpendicular to the paper feed direction of the print paper (not shown) or the original 11 fed by the document feeder 12.

- 5 The cartridge holder 14 is configured so that a
print cartridge (not shown) and a reader cartridge (not
shown) are exchangeable, and a detection mechanism 14a
for identifying whether the print cartridge or the
reader cartridge is set is provided in the cartridge
holder 14. The print cartridge used in the embodiment is
an ink-jet print cartridge. The reader cartridge has a
light source, including LEDs of red, green and blue, for
instance, and adopts a frame sequential color separation
method for reading a color image by sequentially turning
10 on the LEDs. By reciprocally moving the cartridge holder
14 when the print cartridge is installed in the
cartridge holder 14, the print cartridge scans the print
paper fed by the document feeder 12, and the print
cartridge is operated on the basis of print data in
15 synchronization with the scanning operation. Thus, an
image is printed on the print paper as a result of the
aforesaid operation of the print cartridge. Whereas, by
reciprocally moving the cartridge holder 14 when the
reader cartridge is installed, the reader cartridge
20 scans the original 11 fed by the document feeder 12, and
the reader cartridge is operated so as to sequentially

read an image on the original in synchronization with the scanning operation. Accordingly, image data of the read original is inputted to a signal processing unit 15.

The signal processing unit 15 applies predetermined processes to the inputted image data, and the image data applied with the predetermined processes is written in memory 16. The image data written in the memory 16 is read by a controller 17, and the controller 17 transmits the read image data to the host computer 2 via an interface (I/F) 18.

The document feeder 12, the driver 13, the print cartridge, the reader cartridge, and the memory 16 are controlled by the controller 17. In addition to the foregoing control, the controller 17 performs reception control for receiving print data, transmitted from the host computer 2, via the I/F 18. Further, the controller 17 detects the cartridge holding state of the cartridge holder 14 on the basis of the detection result by the detection mechanism 14a provided in the cartridge holder 14, then instructs the host computer 2 to change from the print function to the read function, or vice versa, depending upon the cartridge holding state. Specifically, when a cartridge holding state of the cartridge holder 14 is changed by an exchange of the print cartridge to the reader cartridge, the controller 17 determines that the read function is set, and transmits a signal

indicating that the read function is set (referred to as "read function set signal" hereinafter) to the host computer 2 via the I/F 18. Whereas, when a cartridge holding state of the cartridge holder 14 is changed by
5 an exchange of the reader cartridge to the print cartridge, the controller 17 determines that the print function is set, and transmits a signal indicating that the print function is set (referred to as "print function set signal" hereinafter) to the host computer 2
10 via the I/F 18.

The host computer 2 is connected communicable with the controller 17 via the I/F 18. In the host computer 2, a driver software 21 for managing and controlling the printer 1, software for observing a state of the printer
15 1 (referred to as "state observation software" hereinafter) 22, software for printing (called "print software" hereinafter) 23, and software for reading (called "read software" hereinafter) 24 are installed. When the state observation software 22 receives a read
20 function set signal, it determines that the function to be executed must be changed from the print function to the read function, and terminates the print software 23 and launch the read software 24. Whereas, when the state observation software 22 receives a print function set
25 signal, it determines that the function to be executed must be changed from the read function to the print

function, and terminates the read software 24 and launch the print software 23.

Next, an operational sequence until the read function becomes ready to perform in the composite system and an operational sequence while the read function is being performed are explained with reference to Figs. 2 and 3.

Fig. 2 is a flowchart showing an operational sequence until the read function becomes ready to 10 perform in the composite system shown in Fig. 1, and Fig. 3 is a flowchart showing an operational sequence while the read function is being performed in the composite system shown in Fig. 1.

Referring to Fig. 2, first in step S21, the 15 controller 17 of the printer 1 observes whether or not there is a change in a cartridge holding state of the cartridge holder 14 on the basis of a detected result of the detection mechanism 14a provided in the cartridge holder 14. If any change in the cartridge holding state 20 is detected, then the process proceeds to step S22, whereas if there is no change, then this process is completed.

In step S22, whether or not the change in the cartridge holding state is caused by mounting a reader 25 cartridge on the cartridge holder 14 is determined on the basis of the detected result by the detection

mechanism 14a provided in the cartridge holder 14. If the change in the cartridge holding state is caused by mounting the reader cartridge on the cartridge holder 14, then the process proceeds to step S23, where it is
5 determined that the read function is selected and a read function set signal is sent to the host computer 2 via the I/F 18.

Thereafter, a process in the host computer 2 is started in response to reception of the read function
10 set signal. In step S24, the state observation software 22 recognizes that the read function is selected from the read function set signal, and controls to launch the read software 24 in step S25. Upon launching the read software 24, if the print software 23 has been executed,
15 the state observation software 22 terminates the print software 23 before launching the read software 24. Then, the process is completed, and transits to a state where the reading processing starts as shown in Fig. 3.

Further, when it is determined in step S22 that the
20 change in the cartridge holding state is not caused by mounting a reader cartridge on the cartridge holder 14, then the process proceeds to step S26, where whether the change in the cartridge holding state is caused by mounting a print cartridge or not is determined. If the
25 change is caused by mounting the print cartridge to the cartridge holder 14, then the process proceeds to step

S27, where it is determined that the print function is selected, and the print function set signal is transmitted to the host computer 2 via the I/F 18. If the change is not caused by mounting a print cartridge 5 on the cartridge holder 14, then it is determined that exchange of the cartridges of the same type is performed, for instance, and the process is completed.

Next, a process in the host computer 2 is started in response to reception of the print function set 10 signal. In the process of setting the print function, the state observation software 22 recognizes that the print function is selected from the print function set signal, and controls to launch the print software 23 in step S28. Upon launching the print software 23, if the 15 read software 24 has been executed, the state observation software 22 controls to quit the read software 24 before launching the print software 23. Then, the process is completed, and transits to a state where the print processing starts.

20 After the reader cartridge is mounted and the read software 24 is launched, namely, when the read function is ready for execution, in step S31 in Fig. 3, whether or not an original is set to the document feeder 12 of the printer 1 is checked. After the original is set to 25 the document feeder 12, the process proceeds to step S32 where the scanning of the original starts. In this

scanning, as the original to be read is conveyed by the document feeder 12, the cartridge holder 14 on which the reader cartridge is installed is moved reciprocally, thereby the reader cartridge scans and reads the
5 original. Image data obtained by the reader cartridge is inputted to the signal processing unit 15, and after predetermined processes are applied to the image data, the processed image data is written in the memory 16.

Thereafter, the process proceeds to step S33, where
10 whether or not the reading of the original is complete is determined. If not, the process returns to step S32 and the reading of the original is continued; whereas, if the reading of the original is complete, the process proceeds to step S34 where the image data written in the
15 memory 16 is read out, and transmitted to the host computer 2 via the I/F 18.

Accordingly, the host computer 2 receives the image data and processes in the host computer start. In step S35, the read software 24, which has been already
20 launched, processes the received image data, and, for example, displays an image on a CRT display. Then, the processing is completed.

As described above, when the reader cartridge is mounted on the cartridge holder 14, the read software 24
25 is launched; therefore, it is possible to simplify an

operation of setting the read function to be ready for execution when using the printer 1 as a reader.

Further, when an exchange of the reader cartridge to the print cartridge is performed, the read software 5 24 is automatically terminated and the print software 23 is automatically launched; therefore, it is possible to simplify operations of setting the print function to be ready for execution when the read function has been performed.

10 In the aforesaid embodiment, a reader cartridge is set to a printer; however, the present invention is not limited to this and applicable to any carriage device capable of holding and using the print cartridge and the reader cartridge. For instance, a printer cartridge may 15 be set to a reading device, and both a printer mechanism and a reader mechanism may be provided to a carriage device and either the printer mechanism or the reader mechanism is used upon selection.

The present invention can be applied to a system 20 constituted by a plurality of devices (e.g., host computer, interface, reader, printer) or to an apparatus comprising a single device.

The present invention is not limited to the above 25 embodiments and various changes and modifications can be made within the spirit and scope of the present

invention. Therefore to apprise the public of the scope
of the present invention, the following claims are made.

What Is Claimed Is:

1. A composite system including a first apparatus having convertible options to function as a printer, a
5 reader, or printer and a reader, and an information processing apparatus to which print software and read software are installed, said system comprising:
 - a detection device for detecting the option, selected or installed, on the first apparatus; and

10 launching means for automatically launching either the print software or the read software installed in the information processing apparatus depending upon the selected or installed option detected by said detection device.
- 15 2. The composite system according to claim 1, wherein, when said detection device detects that the selected or installed option is the reader function, said launching means launches the read software.
- 20 3. The composite system according to claim 2, wherein said detection device is provided in the first apparatus, and, when said detection device detects that the selected or installed option is the reader function,
25 said detection device outputs a first signal indicative

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of attachment of the reader cartridge to said launching means.

4. The composite system according to claim 1,
5 wherein said launching means is provided in the
information processing apparatus.

5. The composite system according to claim 1,
wherein, when said detection device detects that the
10 selected or installed option is the printer function,
said launching means launches the print software.

6. The composite system according to claim 5,
wherein said detection device is provided in the first
15 apparatus, and, when said detection device detects that
the selected or installed option is the printer function,
said detection device outputs a second signal indicative
of the printer function to said launching means.

20 7. The composite system according to claim 1,
wherein the option is installed by mounting a print
cartridge or a reader cartridge to a carriage of said
first apparatus.

8. The composite system according to claim 7,
wherein the print cartridge is an ink-jet print
cartridge.

5 9. The composite system according to claim 7,
wherein the reader cartridge uses LEDs as a light source.

10. The composite system according to claim 9,
wherein color separation method for reading a color
10 image adopted by the reader cartridge is frame
sequential method for reading the color image as
sequentially turning on each LED.

11. The composite system according to claim 7,
15 wherein the first apparatus is a printer.

12. The composite system according to claim 7,
wherein the first apparatus is a scanner.

20 13. The composite system according to claim 1,
wherein said first apparatus has both a printer
mechanism and a reader mechanism, and the option is
selected between said printer mechanism and said reader
mechanism.

14. An apparatus, having convertible options to function as a printer, a reader, or printer and a reader, which realizes a composite system in combination with an information processing apparatus to which print software and read software are installed, said apparatus comprising:

- a detection device for detecting the option, selected or installed, on the first apparatus; and
- output means for outputting a signal indicative of the selected or installed option detected by said detection device.

15. The apparatus according to claim 14, wherein, when said detection device detects that the selected or installed option is the reader function, said output means outputs a first signal indicative of the reader function being selected or installed.

16. The apparatus according to claim 14, wherein, when said detection device detects that the selected or installed option is the printer function to the carriage, said output means output a second signal indicative of the printer function being selected or installed.

17. The apparatus according to claim 14, wherein
the option is installed by mounting a print cartridge or
a reader cartridge to a carriage of said apparatus.

5 18. The apparatus according to claim 17, wherein
the print cartridge is an ink-jet print cartridge.

19. The apparatus according to claim 17, wherein
the reader cartridge uses LEDs as a light source.

10 20. The apparatus according to claim 18, wherein
color separation method for reading a color image
adopted by the reader cartridge is frame sequential
method for reading the color image as sequentially
15 turning on each LED.

21. The apparatus according to claim 17, wherein
the apparatus is a printer.

20 22. The apparatus according to claim 17, wherein
the apparatus is a scanner.

23. The apparatus according to claim 14, wherein
said apparatus has both a printer mechanism and a reader
25 mechanism, and the option is selected between said
printer mechanism and said reader mechanism.

24. An information processing apparatus to which
print software and read software are installed, which
realizes a composite system in combination with a first
5 apparatus, having convertible options to function as a
printer, a reader, or printer and a reader, said
apparatus comprising:

10 launching means for automatically launching either
the print software or the read software installed in the
information processing apparatus depending upon the
option selected or installed on said first apparatus.

25. The composite system according to claim 24,
wherein, when the reader function is selected or
15 installed, said launching means launches the read
software.

26. The composite system according to claim 24,
wherein, when the printer function is selected or
20 installed, said launching means launches the print
software.

27. A function execution method used in a
composite system including a first apparatus having
25 convertible options to function as a printer, a reader,
or printer and a reader, and an information processing

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apparatus to which print software and read software are installed, said method characterized by comprising:

a detection step of detecting the option, selected or installed, on the first apparatus; and

- 5 a launching step of automatically launching either the print software or the read software installed in the information processing apparatus depending upon the selected or installed option detected at said detection step.

10

28. The method according to claim 27, wherein, when it is detected at said detection step that the selected or installed option is the reader function, the read software is launched at said launching step.

15

29. The method according to claim 28, further comprising an output step of outputting a first signal indicative of the reader function being selected or installed when it is detected at said detection step
20 that the selected or installed option is the reader function.

30. The method according to claim 27, wherein, when it is detected at said detection step that the selected or installed option is the printer function,
25 the print software is launched at said launching step.

31. The method according to claim 30, further comprising an output step of outputting a second signal indicative of the printer function being selected or
5 installed when it is detected at said detection step that the selected or installed option is the printer function.

ABSTRACT

A composite system including a printer having a carriage capable of interchangeably holding a print cartridge and a reader cartridge, and a host computer to which print software and read software are installed, capable of selectively realizing a print function or a read function, and a method for launching the selected function. When a detection mechanism provided in the carriage detects attachment of a cartridge, it outputs a signal indicative of the attachment and type of the cartridge. The host computer automatically launches either the print software or the read software depending upon the signal.

15

FIG. 1

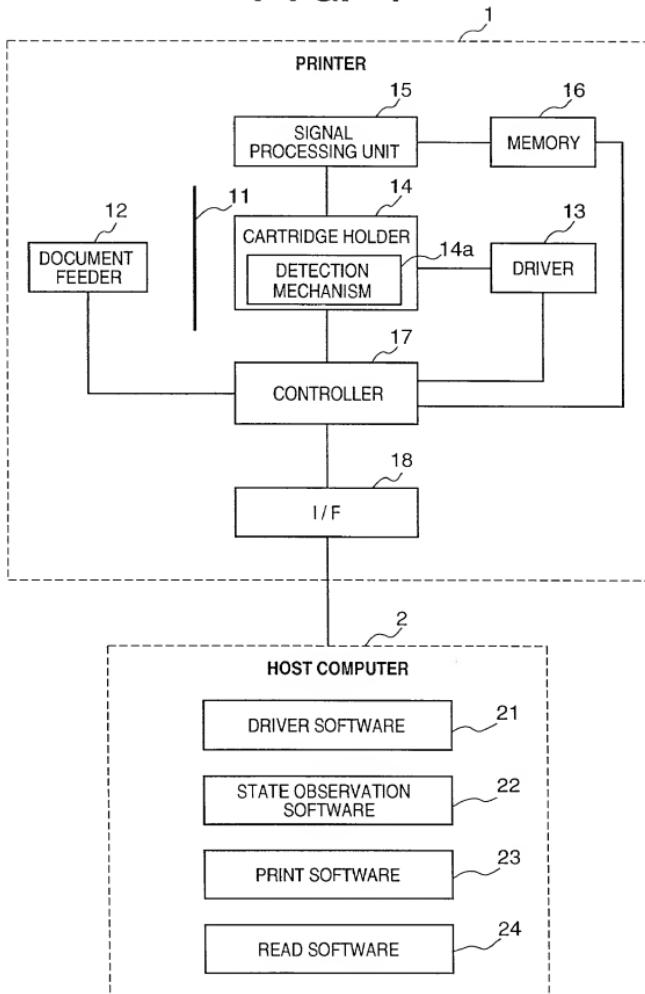


FIG. 2

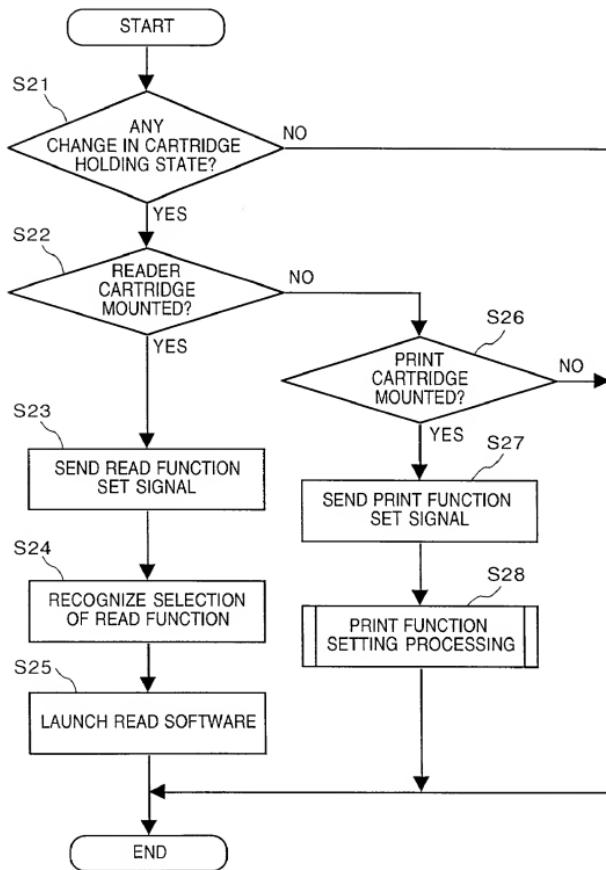


FIG. 3

